

ABSTRACT

METHOD AND DEVICE FOR DETERMINING THE RELATIVE POSITION OF TWO POINTS

The invention relates to a method for determining the relative position of a mobile in relation to the known position of a reference station. The relative position calculation comprises the steps consisting in:

- a) choosing a linear combination of satellite transmission frequencies $L1$ and $L2$ from a predetermined list comprising at least two linear combinations of frequencies,
- b) calculating a precise relative position Pp of the mobile in relation to the reference station on the basis of the linear combinations of pseudo-ranges corresponding to said linear combination and an estimated position Pe of the mobile in relation to the reference station,
- c) choosing from the list the following linear combination, if it exists, and, in this case, reiterating step b), considering the estimated position to be said precise position Pp ,
- d) reiterating step c) for all the linear combinations in the list.

Figure 3